



Perfomaster

High voltage spark over can be used in a controlled way. A spark over from a special electrode to a ground reference can be detected and evaluated. Perforations in plastic webs can be detected and counted.

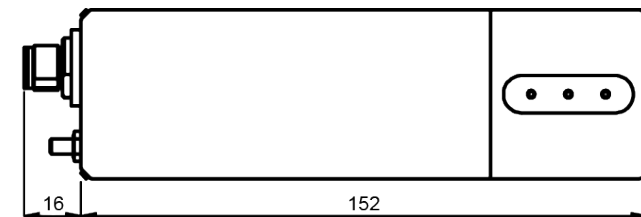
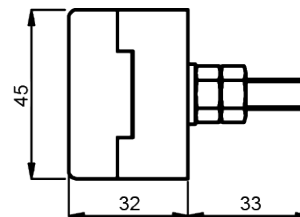
The Perfomaster provides the hardware and software to generate a controlled spark over, detect this and evaluate the spark over to produce a pulse signal. The pulse signal is available on the output connector and can be used for counting detected spark-overs and thus perforations.

The miniaturised design of the Perfomaster contains the electrode as well as the high voltage source. It is powered by 24 V DC, so no high voltage cable is required. Electrodes are standard fitted with three special alloy emitter pins and are detachable for replacement or remote placement.

A status LED provides direct system information on the Perfomaster. A green LED signals operation OK. An intermittent red LED signals a perforation detected.

Supply voltage and output voltage setting to the Perfomaster can be provided in two ways:

1. Directly from the machine f.e. PLC
2. With additional external control kit



Technical drawing Perfomaster

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Technical specifications

Housing material	ABS / PTFE
Cable	low voltage cable, standard M12 connector
Input power	24 V DC, <0,5 A
Emitter pins	special alloy
Max detection frequency	25 Hz
Signal	Multicolour LED: - Green, signal "operation ok" - Red, signal perforation detected
Signal output	Optocoupler
Control voltage	0 - 10 V DC or 0 - 24 V DC
Ambient temperature	0 - 55°C
Use circumstances	industrial
Protection classification	IP 54